

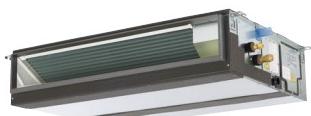
SUBMITTAL DATA: PEAD-A36AA4 & PUZ-HA36NHA4

36,000 BTU/H HORIZONTAL-DUCTED HYPER HEAT-PUMP SYSTEM

Job Name:

System Reference:

Date:



Indoor Unit: PEAD-A36AA4



Outdoor Unit: PUZ-HA36NHA4


GENERAL FEATURES

- High heating capacity at low outside temperatures
- Exhibits 100% of rated heating capacity at 5° F; 90% of rated heating capacity at -4° F
- Built-in drain lift mechanism for condensate removal; lifts up to 33-7/16 inches
- Wide air flow pattern for better air distribution; independently adjustable vanes
- Auto wave airflow in heating mode—unit independently cycles through horizontal and vertical positions for a more even heat distribution
- Self-check function—integrated diagnostics
- Limited warranty: five years parts and seven years compressors

ACCESSORIES
Outdoor Unit

- M-NET Adapter (PAC-SF80MA-E)
- Wind Baffle (One Piece)* (WB-PA2)
- Air Outlet Guide (One Piece)* (PAC-SG59SG)

*PUY(Z) requires two outlet guides or wind baffles for installation.
Controller Options

- Wireless Wall-mounted Remote Controller Kit (MHK1)**
 - Portable Central Controller (MCCH1)**
 - Outdoor Air Sensor (MOS1)**
 - Wired Wall-mounted Controller (PAR-31MAA)**
 - Simple MA Remote Controller (PAC-YT53CRAU)**
- **See Submittal for information on each option.
- M-NET Adapter (PAC-SF81MA)
 - i-see Sensor Corner Panel (PAC-SA1ME-E)
 - Hand-held Wireless Remote Controller (PAR-FL32MA; req. PAR-FA32MA-E)
 - Wireless Signal Receiver Module (PAR-FA32MA-E)

SPECIFICATIONS: PEAD-A36AA4 & PUZ-HA36NHA4

Cooling

Rated Capacity*	34,000 Btu/h
Minimum Capacity	18,000 Btu/h
SEER	17.0 Btu/h/W
Total Input	2,690 W

Heating at 47°F

Rated Capacity*	38,000 Btu/h
Minimum Capacity	18,000 Btu/h
HSPF (IV)	10.0 Btu/h/W
Total Input	3,230 W

Heating at 17°F

Rated Capacity*	28,000 Btu/h
Rated Total Input	3,590 W
Maximum Capacity**	38,000 Btu/h
Total Input	5,300 W

Heating at 5°F

Maximum Capacity**	38,000 Btu/h
Total Input	5,860 W

* Rating Conditions per AHRI Standard

Cooling Indoor:	80° F (27° C) DB / 67° F (19° C) WB
Cooling Outdoor:	95° F (35° C) DB / 75° F (24° C) WB
Heating at 47° F Indoor:	70° F (21° C) DB / 60° F (16° C) WB
Heating at 47° F Outdoor:	47° F (8° C) DB / 43° F (6° C) WB
Heating at 17° F Indoor:	70° F (21° C) DB / 60° F (16° C) WB
Heating at 17° F Outdoor:	17° F (-8° C) DB / 15° F (-9° C) WB
Heating at 5° F Indoor:	70° F (21° C) DB / 60° F (16° C) WB
Heating at 5° F Outdoor:	5° F (-15° C) DB / 5° F (-15° C) WB

**** Maximum Capacity is at full speed and performance for INVERTER-driven System.**

ELECTRICAL REQUIREMENTS

Power Supply	208 / 230V, 1-Phase, 60 Hz
Breaker Size	30 A

Voltage

Indoor - Outdoor S1-S2	AC 208 / 230V
Indoor - Outdoor S2-S3	DC ±24V
Indoor - Remote Controller	MKH1 DC 3V PAR-21MAAU DC 12V PAR-FL32MA DC 3V

OPERATING RANGE

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	90° F (32° C) DB 73° F (23° C) WB	115° F (46° C) DB
	Minimum	66° F (19° C) DB 59° F (15° C) WB	0° F** (-18° C) DB
Heating	Maximum	83° F (28° C) DB	70° F (21° C) DB 59° F (15° C) WB
	Minimum	63° F (17° C) DB	-13° F (-25° C) DB -13° F (-25° C) WB

Note: With optional wind baffle accessory installed. If not installed, the minimum temperature will be 23° F (-5° C) DB.

Notes:

INDOOR UNIT

Blower Motor (ECM)	2.00 F.L.A.
Blower Motor Output	120 W
Airflow (Lo - M1 - M2 - Hi)	710 - 810 - 920 - 1,060 Dry CFM 670 - 770 - 880 - 1,030 Wet CFM
Sound Pressure Level (Lo - M1 - M2 - Hi)	32 - 34 - 37 - 40 dB(A)

DIMENSIONS	UNIT INCHES / MM	PANEL INCHES / MM
W	33-1/16 / 840	37-3/8 / 950
D	33-1/16 / 840	37-3/8 / 950
H	11-3/4 / 295	1-3/8 / 35

Weight (Unit/Grille)

lbs.	55 / 13
kg.	25 / 6
External Finish	Munsell No. 6.4 8.9 / 0.4
Field Drainpipe Size O.D.	1-1/4" / 32 mm

OUTDOOR UNIT

Compressor	DC Inverter-driven Scroll
MCA	.28 A
Fan Motor (ECM)	.04 + 0.4 F.L.A.
Sound Pressure Level	

Cooling	52 dB(A)
Heating	53 dB(A)

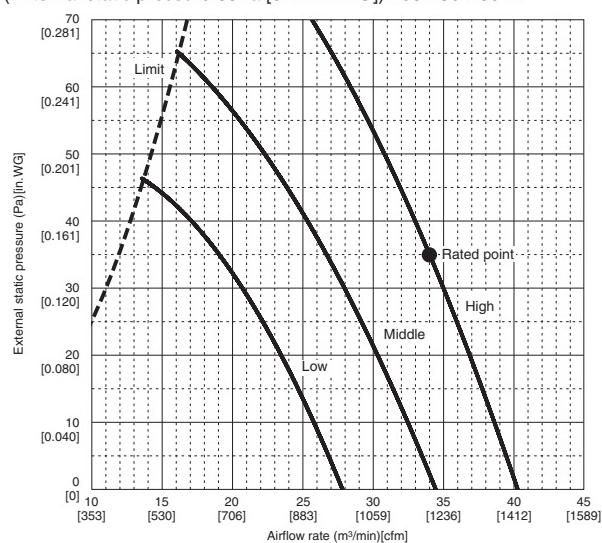
DIMENSIONS	INCHES / MM
W	37-3/8 / 950
D	13 + 1-3/16 / 330 + 30
H	53-1/8 / 1,350

Weight	265 lbs. / 120 kg
External Finish	Munsell No. 3Y 7.8 / 1.1
Refrigerant Type	R410A
Refrigerant Pipe Size O.D.	
Gas Side	.5/8" / 15.88 mm
Liquid Side	.3/8" / 9.52 mm
Max. Refrigerant Pipe Length	245' / 75 m
Max. Refrigerant Pipe Height Difference	100' / 30 m
Connection Method	Flared

INDOOR UNIT PEAD-A36AA4 FAN PERFORMANCE AND AIRFLOW RATES

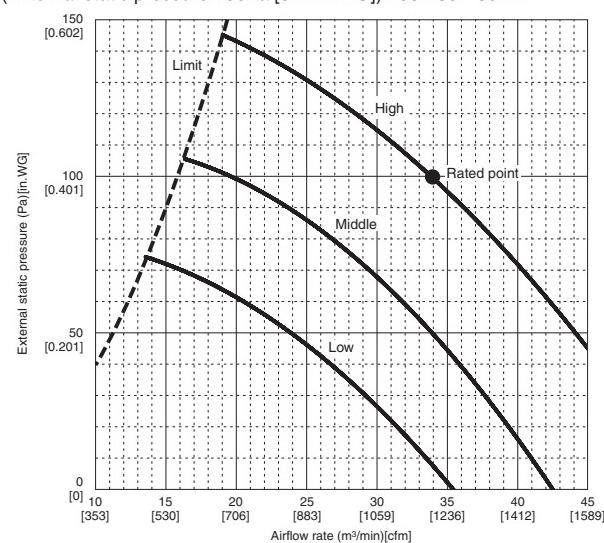
PEAD-A36AA4

(External static pressure 35Pa [0.14 in. WG]) 208-230V 60Hz



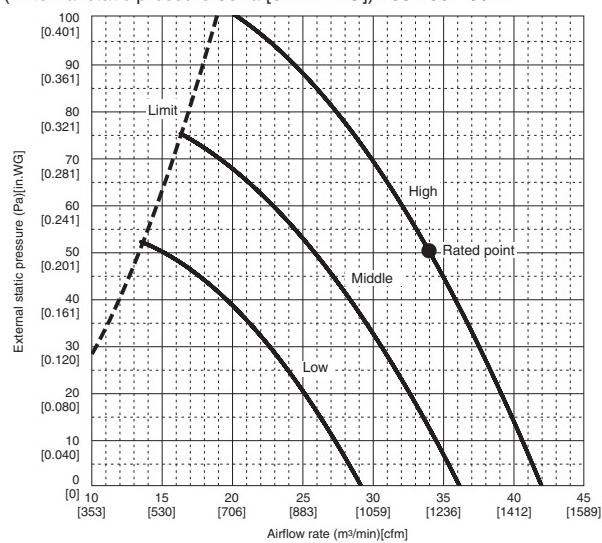
PEAD-A36AA4

(External static pressure 100Pa [0.4 in. WG]) 208-230V 60Hz



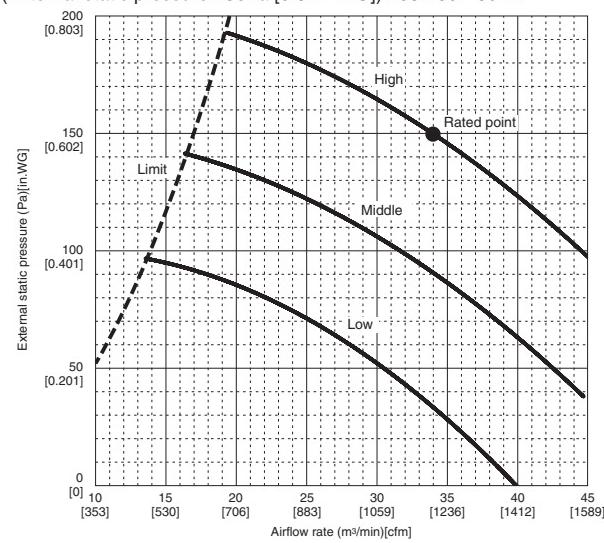
PEAD-A36AA4

(External static pressure 50Pa [0.2 in. WG]) 208-230V 60Hz



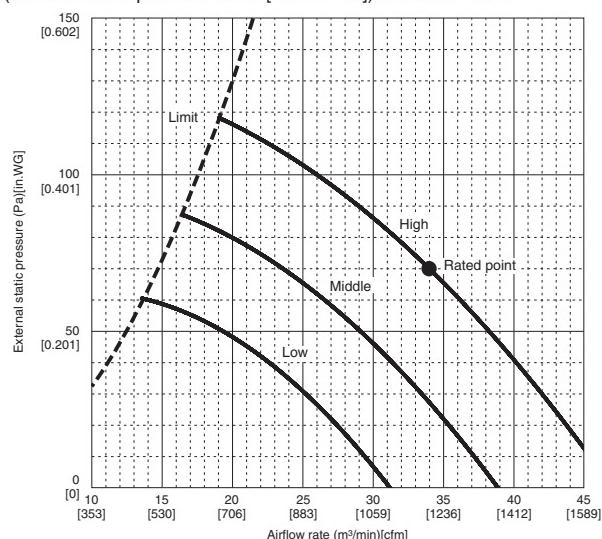
PEAD-A36AA4

(External static pressure 150Pa [0.6 in. WG]) 208-230V 60Hz



PEAD-A36AA4

(External static pressure 70Pa [0.3 in. WG]) 208-230V 60Hz

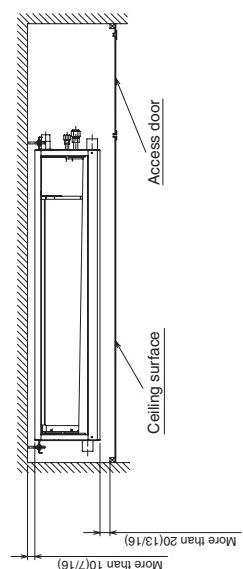
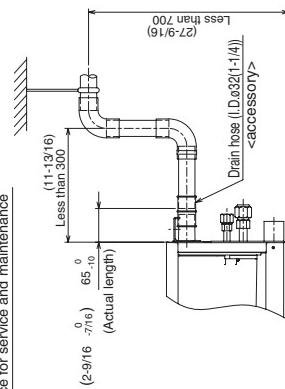
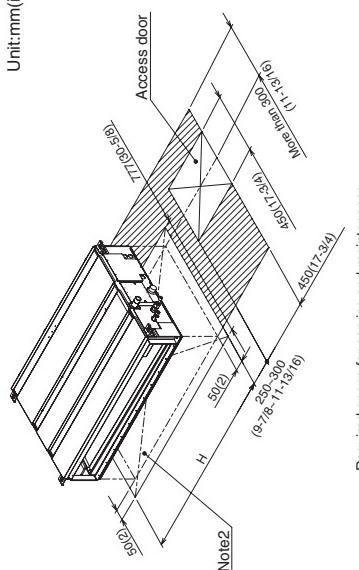


Specifications are subject to change without notice.

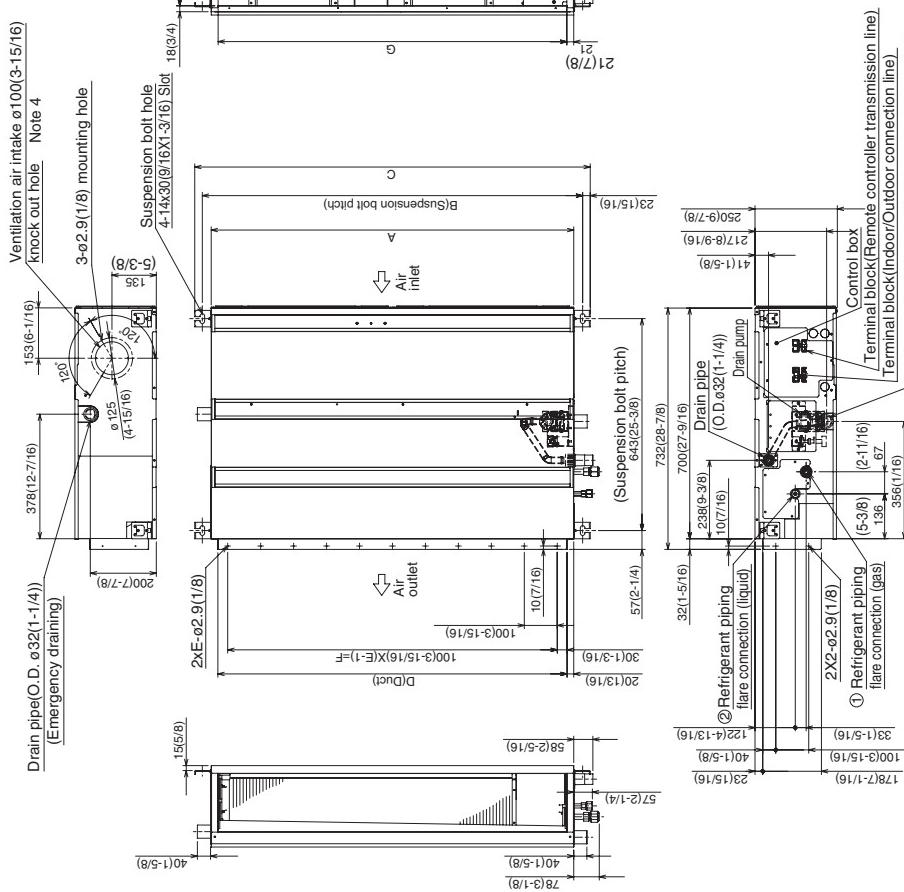
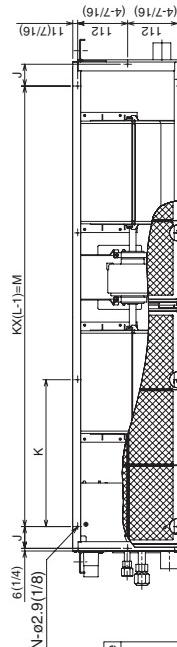
© 2014 Mitsubishi Electric US, Inc.

DIMENSIONS: PEAD-A36AA4

Unit:mm(in.)



Make the access door at the appointed position properly for service maintenance.



Model	A	B	C	D	E	F	G	H	J	K	L	M	N	①Gas pipe	②Liquid pipe
PEAD-A24, 30AA4	1100 [45.0]/[16]	1150 [51.6]/[16]	1200 [47.7]/[14]	1030 [41.7]/[14]	11 [39.3]/[8]	1000 [41.1]/[16]	1050 [47.1]/[4]	1200 [49]/[16]	330 [13]/[16]	4 [330]/[16]	330 [4]/[16]	390 [13]/[16]	10	①15.88 (5.8)	②9.52 (3.8)
PEAD-A36, 42AA4	1400 [55.19]/[16]	1454 [57.2]/[16]	1500 [53.0]/[16]	1350 [51.15]/[16]	1300 [50.0]/[16]	1350 [45.32]/[16]	1350 [50.0]/[16]	1500 [54]/[16]	320 [54]/[16]	320 [54]/[16]	320 [54]/[16]	320 [54]/[16]	5	①24.59 (2.59)	②12.00 (1.20)

NOTE 1. Use M10 screw for the Suspension bolt (field supply).

- Keep the service space for the maintenance at the bottom.

3. This chart indicates for PEAD-A24-30-36-42AA4 models, which have 2 fans.

4. In case of the inlet duct is used, remove the air filter (supplied with the unit), then install a filter (field supplied) at suction side.

Specifications are subject to change without notice

© 2014 Mitsubishi Electric US, Inc.

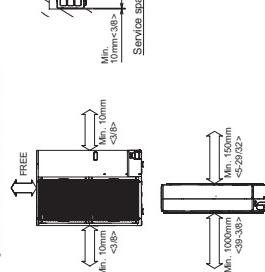
DIMENSIONS: PUZ-HA36NHA4

Unit : mm<inch>

1 FREE SPACE (Around the unit) | 2 SERVICE SPACE

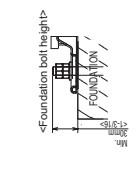
Dimensions of space needed for service access are shown in the below diagram.

The diagram below shows a basic example. Explanation of particular details are given in the installation manuals etc.



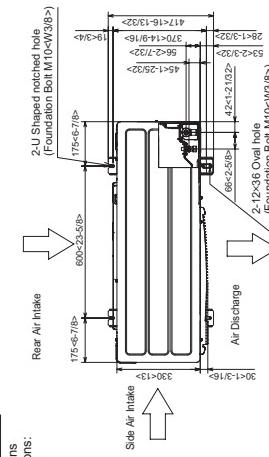
3 FOUNDATION BOLTS

Please secure the unit family with foundation (M10xW8x8) bolts (Bolts and washers must be purchased locally.)



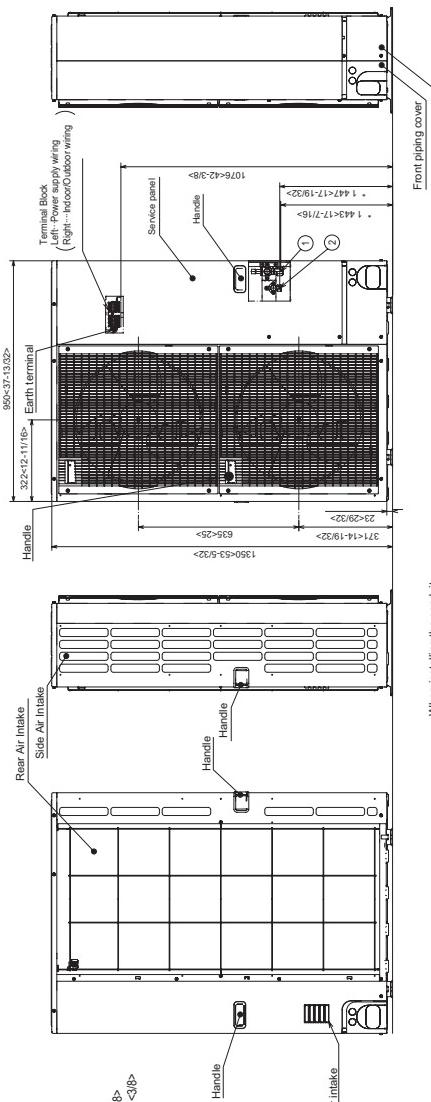
4 PIPING/WIRING DIRECTIONS

Piping and wiring connections can be made from 4 directions: front, right, rear and below.

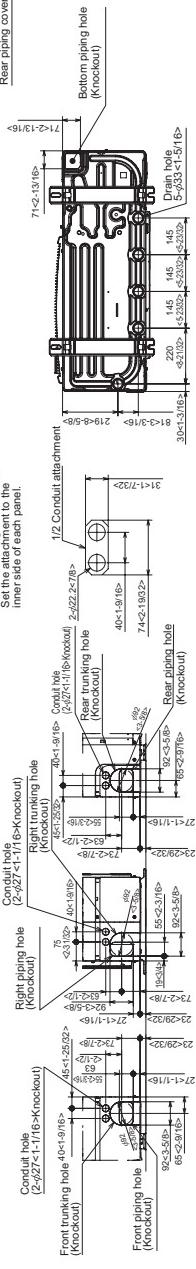


Example of Notes

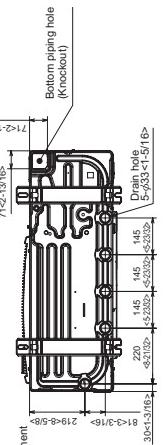
- ①...Refrigerant GAS pipe connection (FLARE) 3/8-3/8"
- ②...Refrigerant LIQUID pipe connection (FLARE) 9/32-3/8"
- *1...Indication of STOP VALVE connection location.



Piping Knockout Hole Details



When installing the conduit.
Set the attachment to the
inner side of each panel.



1340 Satellite Boulevard
Suwanee, GA 30024
Toll Free: 800-433-4822
www.mehvac.com